



Please amend the claims as follows:

Claim 1 (Currently Amended): A method for transmitting data between at least one transmitter and at least one receiver comprising:

- transmitting packets of data;
- ~~associating each of said packets with an identifier;~~
- receiving a feedback message from a receiver, [[each]] the feedback message including a bitmap block including a predetermined plural number of fields associated with [[a]] corresponding said packets of data ~~predetermined number of packets having, each field~~ of said fields representing a consecutive identifiers identifier corresponding to each packet of the transmitted packets, so as to inform said transmitter and indicative of a state of acknowledgement of each packet of said packets ~~which includes at least one of an~~ ~~acknowledged state or an unacknowledged state of each of said packets associated with said~~ ~~bitmap block; and~~
- associating a timer with a periodic reception of the bitmap block at the transmitter ~~with said bitmap block.~~

Claim 2 (Previously Presented): The method according to claim 1, further comprising activating said timer, when said transmitter sends to said receiver a first of said packets having consecutive identifiers associated with said bitmap block, and switching said timer to an activated state.

Claim 3 (Previously Presented): The method according to Claim 1, further comprising deactivating said timer after a maximum duration, and then considering said

packets associated with said bitmap block to be in said unacknowledged state by said transmitter.

Claim 4 (Previously Presented): The method according to Claim 1, further comprising deactivating said timer when said transmitter receives a cumulated acknowledgement of said packets associated with said bitmap block, indicating that said packets associated with said bitmap block are in said acknowledged state.

Claim 5 (Previously Presented): The method according to Claim 1, further comprising deactivating said timer, when said transmitter receives a feedback message including said bitmap block.

Claim 6 (Previously Presented): The method according to claim 5, further comprising, upon the transmitter receiving said feedback message, analysing said feedback message to determine said acknowledged or unacknowledged state of each of said packets associated with said bitmap block.

Claim 7 (Previously Presented): The method according to Claim 3, further comprising after deactivating said timer, and wherein at least one packet associated with said bitmap block being in said unacknowledged state, positioning at least some unacknowledged packets associated with said bitmap block in a retransmission queue.

Claim 8 (Previously Presented): The method according to Claim 7, further comprising after analyzing checking for a presence, in said retransmission queue, of at least one acknowledged packet associated with said bitmap block,

and when the presence in said queue of at least one acknowledged packet of said block has been confirmed, deleting said at least one of said acknowledged packets associated with said bitmap block from said retransmission queue.

Claim 9 (Previously Presented): The method according to Claim 7, further comprising retransmitting said packet(s) of said block positioned in said retransmission queue, and activating said timer associated with said block when a first of said packets associated with said bitmap block positioned in said queue is retransmitted.

Claim 10 (Previously Presented): The method according to Claim 1, further comprising communicating with an ARQ (Automatic Repeat Request) protocol.

Claim 11 (Previously Presented): The method according to Claim 1, further comprising associating a time stamp with at least some packets in said unacknowledged state.

Claim 12 (Previously Presented): The method according to claim 11, further comprising activating said time stamp when said transmitter sends said associated packet.

Claim 13 (Previously Presented): The method according to Claim 7, wherein said positioning includes sub-selecting packets to be positioned in said queue, depending on a selection criterion.

Claim 14 (Previously Presented): The method according to claim 13, wherein said selection criterion takes into account at least one of a value of said time stamp associated with an unacknowledged packet associated with said block and an ARQ class of said receiver.

Claim 15 (Previously Presented): The method according to Claim 13, wherein said sub-selecting includes selecting an unacknowledged packet associated with said block and associated with a time stamp having a value greater than or equal to said maximum duration.

Claim 16 (Previously Presented): The method according to Claim 11, wherein said positioning includes for each of said selected packets, deactivating said associated time stamp.

Claim 17 (Previously Presented): The method according to Claim 9, wherein when all unacknowledged packets associated with said bitmap block have been selected in said sub-selecting, said timer takes a value $V(T)$ wherein,

$$V(T) = t(\text{activation}) + d_{\max},$$

where $t(\text{activation})$ is a current time value, and where d_{\max} is said maximum duration, wherein

the timer associated with each packet of the bitmap block positioned in said queue is activated and takes the current time value during said retransmission of said packet.

Claim 18 (Previously Presented): The method according to Claim 15, wherein after deactivating said timer,

if at least one unacknowledged packet of said block, associated with a time stamp having a value of less than said predetermined maximum duration, has not been selected during said sub-selecting, activating said timer of said bitmap block, so that said timer takes a value $V(T)$:

$$V(T) = V(\text{run}) + (\text{Time stamp}(i) - \text{Time stamp}(j)),$$

where $V(\text{run})$ is the value of said timer during said timer running in said deactivated state,

Time stamp(j) is the greater value of said time stamps associated with said unacknowledged packets associated with said bitmap block selected during said sub-selecting,

and Time stamp(j) is the greater value of said time stamps associated with said unacknowledged packets associated with said bitmap block not selected during said sub-selecting.

Claim 19 (Previously Presented): The method according to claim 6, wherein after analyzing said feedback message, said method implements, for each of said acknowledged packets associated with said bitmap block, deactivating said associated time stamp.

Claim 20 (Previously Presented): The method according to Claim 14, wherein after deactivating said timer, if at least one unacknowledged packet of said bitmap block has not been selected during said sub-selecting depending on a decision criterion related to the ARQ class of said receiver, activating said timer of said block so that said timer takes a value $V(T)$:

$$V(T) = V(\text{run}) + (d_{\text{max}} - (t - \text{Time stamp}(i))),$$

where $V(\text{run})$ is a value of said timer during said timer running in said deactivated state,

d_{max} is said maximum duration,

t is a current time value,

and Time stamp(i) is the greater value of said time stamps associated with said unacknowledged packets associated with said bitmap block not selected during said sub-selecting.

Claims 21-23 (Cancelled).

Claim 24 (Currently Amended): A method for receiving packets by a receiver from a transmitter, each of said packets including an identifier, said method comprising:

receiving the packets from the transmitter;

transmitting a feedback message from the receiver, said feedback message including a bitmap block including a predetermined plural number of fields associated with ~~[[a]]~~
corresponding said packets of data ~~predetermined number of packets having, each field of~~
said fields representing a consecutive identifier corresponding to each packet of the
transmitted packets ~~said associated identifiers, so as to inform said transmitter and indicative~~
of a state of acknowledgement regarding of each packet of said packets ~~with said~~
~~corresponding identifiers, said acknowledgment state includes an acknowledged state or an~~
~~unacknowledged state, wherein information in, and~~ said bitmap block is associated with a
timer associated with a periodic reception of the bitmap block at the transmitter.

Claim 25 (Currently Amended): A source transceiver configured to transmit packets to a target transceiver, said source transceiver comprising:

a packet identifier configured to identify said packets to said target transceiver;

a transmitter configured to send said packets to said target transceiver; and

a receiver configured to receive a feedback message from said target transceiver, said
feedback message including a bitmap block including a predetermined plural number of
fields, wherein said bitmap block is associated with [[a]] corresponding said packets of data
~~predetermined number of said packets with corresponding identifiers, each field of said fields~~
representing a consecutive identifier corresponding to each packet of the transmitted packets

~~and said bitmap block further including a state indicator for each of said packets with said associated identifiers so as to be~~ indicative of a state of acknowledgement of ~~at least a plurality~~ each packet of said packets; and

a timer associated ~~with a periodic reception of~~ with some of said bitmap ~~blocks~~ block at the source transceiver.

Claim 26 (Currently Amended): A target transceiver configured to receive packets from a source transceiver, said target transceiver comprising:

a receiver configured to receive said packets from said source transceiver;

a transmitter configured to send a feedback message to said source transceiver, said feedback message including a bitmap block including a predetermined plural number of fields, ~~wherein said bitmap block is associated with [[a]]~~ corresponding said packets of data predetermined number of said packets with corresponding identifiers, each field of said fields representing a consecutive identifier corresponding to each packet of the transmitted packets ~~said bitmap block further including a state indicator for each of said packets with said associated identifiers, so as to inform said source transceiver and indicative~~ of a state of acknowledgement of ~~at least a plurality~~ each packet of said packets, wherein said bitmap block is associated with a timer associated with a periodic reception of the bitmap block at the source transceiver.

Claim 27 (Currently Amended): A system comprising:

a source transceiver configured to transmit packets to a target transceiver, said source transceiver including

a packet identifier configured to identify said packets to said target transceiver,

a first transmitter configured to send said packets to said target transceiver,

a first receiver configured to receive a feedback message from said target transceiver, said feedback message including a bitmap block including a predetermined plural number of fields, wherein said bitmap block is associated with [[a]] corresponding said packets of data predetermined number of said packets with corresponding identifiers, each field of said fields representing a consecutive identifier corresponding to each packet of the transmitted packets and said bitmap block further including a state indicator for each of said packets with said associated identifiers so as to be indicative of a state of acknowledgement of at least a plurality each packet of said packets, and

said source transceiver includes a timer associated with ~~some of a~~ periodic reception of said bitmap blocks block; and

a target transceiver configured to receive packets from the source transceiver, said target transceiver including

a second receiver configured to receive said packets from said source transceiver and

a second transmitter configured to send said feedback message to said source transceiver.